

## **RAPID LOCALITY SELECTION FOR EFFICIENT MEMORY ALLOCATION**

### **ABSTRACT OF THE DISCLOSURE**

5

One embodiment disclosed relates to a method of selecting a physical memory locality in a multiprocessor system. A data structure including sets of equidistant localities is provided. A preferred locality is determined using a pointer to a locality within said data structure. Other embodiments disclosed  
10 relate to the multiprocessor computing system, the operating system for the multiprocessor computing system, and the data structure for use in selecting a physical memory locality.